

# ROCKY FLATS SITE

## REGULATORY CONTACT RECORD

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**Purpose:** Discussion and Approval of Excavation Greater than 3 Feet Below Grade in FC-1 Soil Borrow Area and Placement of Soil South of Former B371 Location to Eliminate Ponding Around Well Heads for Wells 33502, 33604, and 33703

**Contact Record Approval Date:** June 6, 2007

**Site Contact(s) / Affiliation(s):**

Scott Surovchak / DOE, John Boylan / S.M. Stoller, Linda Kaiser / S.M. Stoller, Jody Nelson/ S.M. Stoller (subcontractor), Rick DiSalvo, S.M. Stoller (subcontractor)

**Regulatory Contact(s) / Affiliation(s):**

Carl Spreng / CDPHE

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**Discussion:**

Conceptual plans to use the eastern portion of the bottom of the soil borrow area that created Functional Channel (FC)-1 as part of the Rocky Flats Land Configuration work (the large borrow area west of where Building 371 used to sit) as additional fill material are under development. The fill material will be used to fill some low spots that “pool” water around ground water wells south of the B371 area and also to recontour the area so that the water from precipitation events drains away from the wells. The excavation work will likely exceed the 3-foot-depth limit specified by the institutional controls (RFLMA, Attachment 2, Table 4, Control 2) and thus requires pre-approved procedures. We expect the total depth to be no greater than 3 to 5 feet below current grade. Erosion controls will be employed in accordance with the Central Operable Unit (OU) Erosion Control Plan. The excavated area will be contoured after removal of the fill material, so that the water that currently flows in a ditch on the east side of the bottom of FC-1 will flow across the bottom of the excavated area, thus potentially creating additional wetland at the Site.

The borrow area is not located in Preble’s mouse habitat; therefore, there are no Endangered Species Act issues with the project.

The attached S.M. Stoller 5/30/07 Conceptual Design Grading Plan has been developed to provide the location information of the proposed borrow/fill area to allow regulatory review in relation to the institutional control. CDPHE approval for this work is requested before final design and procurement activities proceed. It is anticipated that the construction work would be done in August or September 2007.

CDPHE has requested that the following information be included in contact records for soil excavation related to this institutional control:

1 - Provide information about any remaining subsurface structures in the vicinity so that the minimum cover assumption will not be violated (or state that there are none if that is the case).

There are no remaining subsurface structures in the borrow area so that the minimum cover assumption is not relevant.

2 - Provide information about any former IHSSs/PACs or other known soil or groundwater contamination in the vicinity (or state that there is no known contamination).

The proposed borrow area is not near any soil or ground water contamination. Two IHSSs were located in the area, PAC 300-700, Scrap Roofing Disposal, and PAC 300-702, Pesticide Shed. These were investigated and dispositioned with approval of No Further Accelerated Action as discussed in the Historical Release Report, RI/FS Appendix B. When the area was excavated during construction of FC-1 in 2005, scrap material was found in the location of PAC 300-700, but was determined to be not hazardous.

3 - Resurvey any new surface established in subsurface soil, unless sufficient existing data is available to characterize the surface (or state that the excavated soil will be replaced and the original contours restored).

The approximate final contours of the borrow and fill area are expected to conform to the final grading plan.

**Resolution:**

Carl Spreng, CDPHE, approved the FC-1 area indicated on the S.M. Stoller 5/30/07 Conceptual Design Grading Plan for excavation to depths below 3 feet to obtain borrow soil and place it on the fill area shown on the Grading Plan.

Thus, Stoller will continue with the design to allow procurement activities to proceed.

**Contact Record Prepared by:** Jody Nelson and Rick DiSalvo

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**Distribution:**

Carl Spreng, CDPHE  
Scott Surovchak, DOE  
Linda Kaiser, Stoller  
Rocky Flats Contact Record File